Application No.:   10/695,243
Amendment Date: August 3, 2007
Reply to Office Action of: August 9, 2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

The following claims will replace all prior versions and listings of claims in this application.

Claims 1–53 (Cancelled)

Claim 54 (Previously presented): A method for modifying glycosylation structures on glycoproteins expressed in a eukaryotic host cell comprising:

expressing in said host cell a recombinant nucleic acid encoding a polypeptide having an endomannosidase activity that is targeted to a vesicular compartment within the host cell, wherein said nucleic acid encoding the polypeptide having an endomannosidase activity is selected from the group consisting of (a) SEQ ID NO: 1 or 3; and (b) a nucleic acid sequence that encodes a polypeptide having the amino acid sequence of SEQ ID NO:2 or 4.

Claim 55 (Previously presented): A method for modifying glycosylation structures on glycoproteins expressed in a lower eukaryotic host cell comprising

expressing in the host cell a recombinant nucleic acid encoding a polypeptide having an endomannosidase activity, wherein said nucleic acid encoding a polypeptide having an endomannosidase activity is selected from the group consisting of (a) SEQ ID NO: 1 or 3; and (b) a nucleic acid sequence that encodes a polypeptide having the amino acid sequence of SEQ ID NO:2 or 4.